

EXISTING SIGNS
TO BE REMOVED

EXISTING SIGNS
TO REMAIN

PROPOSED SIGNALS

PROPOSED SIGNS

NEMA PHASING

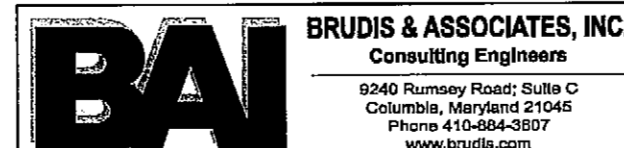
CONSTRUCTION DETAILS:

- A. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH A SINGLE 50 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, SIGN, 20 FT LIGHTING ARM, 250 WATT LED LUMINAIRE AND PHOTOCELL. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- B. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH A TWIN 50/60 FT. MAST ARMS, LED TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, 20 FT LIGHTING ARM, 250 WATT LED LUMINAIRE AND PHOTOCELL. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- C. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH A SINGLE 50 FT. MAST ARM (CUT TO 35 FT.), LED TRAFFIC SIGNAL HEADS AND SIGN. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- D. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH A SINGLE 50 FT. MAST ARM (CUT TO 40 FT.), LED TRAFFIC SIGNAL HEADS AND SIGN. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- E. INSTALL NEMA 'S' BASE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AS SHOWN. (NOTE: INSTALL 2-2 IN. AND 2-4 IN. PVC SCHEDULE 80 BENDS).
- F. INSTALL METERED SERVICE PEDESTAL EMBEDDED.
- G. INSTALL HANDHOLE.
- H. INSTALL HANDHOLE ORIENTED FOR NON-INVASIVE PROBES.
- J. INSTALL NON-INVASIVE DETECTOR AND LEAD IN CABLE.
- K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- L. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- M. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- N. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- P. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- Q. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT, PROVIDE CONDUIT BEND AT THE BASE OF UTILITY POLE - TRENCHED.
- R. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- S. INSTALL GROUND MOUNTED SIGN ON TWO 4x6 WOODEN POSTS.
- T. REMOVE EXISTING GROUND MOUNTED SIGN AND POST.

GENERAL NOTES:

- 1. VIDEO CAMERA LOCATION /ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- 2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- 3. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- 5. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- 6. SEE SHEET 2 FOR ALL ADDITIONAL PAVEMENT MARKINGS AND PAVEMENT MAKING REMOVAL.

BY: davidma



TS# 10260
Time# L377

APPROVALS

TEAM LEADER: [Signature] 7/19/12

ASST. DIV. CHIEF: [Signature] 7/19/12

DIVISION CHIEF: [Signature] 7/19/12

OFFICE DIRECTOR: [Signature] 7/19/12

FREDERICK COUNTY DIVISION OF PUBLIC WORKS		FREDERICK COUNTY, MARYLAND DIVISION OF PUBLIC WORKS DEPARTMENT OF HIGHWAYS AND TRANSPORTATION OFFICE OF TRANSPORTATION ENGINEERING FREDERICK COUNTY, MARYLAND	
APPROVED: PUBLIC WORKS DIRECTOR		DATE: 07/20/12	
DATE: 7/19/12		OLD NATIONAL PIKE AT BARTHOLOWS RD	
REVISION #		DATE AND INITIAL	
REVISION DESCRIPTION		DATE AND INITIAL	
CONSULTANT		DEV. REVIEW	
DATE AND INITIAL		DATE AND INITIAL	
CHECKED BY: R.M.		SCALE: 1" = 20'	
PROJECT NO:		1	